

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO COMMERCIAL

Report Number: P582309

Luminaire Tested: **HCC6W35D010BZ-HM63040835-61MDW**

Issue Date: 9/16/2021

Test Information

Test Method: LM-41-14
Report Number: P582309
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-241-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/16/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO COMMERCIAL
Catalog Number: HCC6W35D010BZ-HM63040835-61MDW
Description: HALO COMMERCIAL 6" ROUND, NEW CONSTRUCTION FRAME, WITH 6" MEDIUM DISTRIBUTION, WHITE TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT CYLINDER
Ballast/Driver: ELECTRONIC DRIVER

Summary

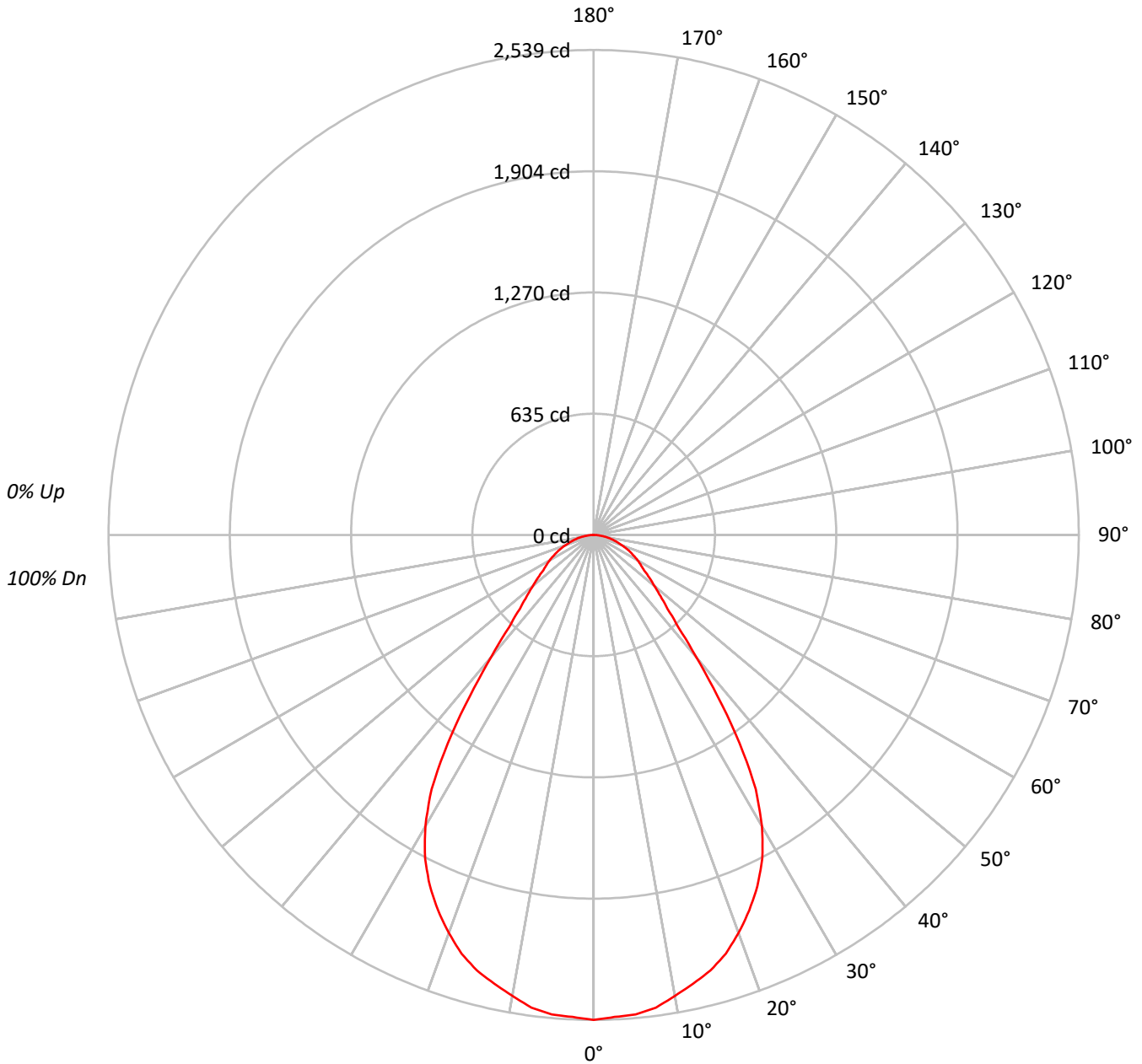
Lumens per Lamp: N/A
Luminaire Lumens: 3739.7 lumens
Efficiency: N/A
Efficacy: 111.0 lumens/watt
Spacing Criteria (0/90/45): 1.08 / 1.08 / 1.03
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 33.7
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P582309
CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61MDW

Luminous Intensity Polar Plot





TEST NUMBER: P582309

CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61MDW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89			89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79			79
3	97	88	82	76	94	87	81	76	84	79	75	81	77	73	79	75	72	70			70
4	90	80	73	68	88	79	73	67	77	71	67	75	70	66	73	68	65	63			63
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			57
6	79	68	61	55	77	67	60	55	65	59	55	64	58	54	62	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48			48
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			44
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40			40
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139210
5°	138702
10°	136387
15°	133979
20°	129354
25°	122656
30°	111561
35°	89142
40°	59476
45°	42400
50°	35325
55°	30795
60°	29088
65°	27383
70°	25181
75°	23511
80°	21373
85°	18744



TEST NUMBER: P582309
 CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61MDW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.4	6.4
10°-20°	662.9	17.7
20°-30°	926.3	24.8
30°-40°	816.0	21.8
40°-50°	440.8	11.8
50°-60°	294.7	7.9
60°-70°	208.9	5.6
70°-80°	117.5	3.1
80°-90°	34.3	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1827.5	48.9
0°-40°	2643.5	70.7
0°-60°	3379.0	90.4
0°-90°	3739.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3739.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2539	
5°	2520	238
15°	2361	663
25°	2028	926
35°	1332	816
45°	547	441
55°	322	295
65°	211	209
75°	111	117
85°	30	34
90°	0	



TEST NUMBER: P582309

CATALOG NUMBER: HCC6W35D010BZ-HM63040835-61MDW

CANDELA DISTRIBUTION (FULL):

	0°
0°	2539.4
2.5°	2525.9
5°	2520.5
7.5°	2496.1
10°	2450.1
12.5°	2406.7
15°	2360.7
17.5°	2298.5
20°	2217.3
22.5°	2127.9
25°	2027.8
27.5°	1911.3
30°	1762.4
32.5°	1578.4
35°	1332.0
37.5°	1064.0
40°	831.1
42.5°	655.2
45°	546.9
47.5°	473.8
50°	414.2
52.5°	365.5
55°	322.2
57.5°	292.3
60°	265.3
62.5°	238.2
65°	211.1
67.5°	184.0
70°	157.1
72.5°	132.7
75°	111.0
77.5°	89.4
80°	67.7
82.5°	48.8
85°	29.8
87.5°	13.5
90°	0.0

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Classified
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)